

Data sheet for three-phase Squirrel-Cage-Motors ABB

Motor type:	FS: 405T - p - 100 hp -
-------------	-------------------------

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

[illegible]

Frame Type: 405T	Type of constr.:		Motor Prot.:	NEMA Des.:	S.F.: 1.15
Mtr. WT: lbs	Insulation Class.:Standard Class F Insulation	Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA:	IP 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz							dB(A) / dB(A)						
Octave Band Center Frequencies Hertz													
250		500		1000		2000		4000		8000		Hz	
SPL@3							dB(A)						
Moment of inertia							Lb-ft²						
Ext Load Inertia Capability:							Lb ft²						
Bearings													
Bearing DE NDE													
Bearing_Type							Ball Bearing						
AFBMA:													
Grease													
Capacity							oz		oz				
Grease Type:													
Thickener													
Safe Stall Time Hot												s	
Safe Stall Time Cold												s	
Frame material													
Color, paint shade												Standard Paint - RAL7030	
Coating (paint finish)												Standard Alkyed + Epoxy (C2)	
Ventilation Type													
Method of cooling													
Direction of rotation													
Fan Material													
VFD												CT: VT:	
Space heaters												-/-	
Brake:												-/-	


Terminal box

Lead Wire Connection					Terminal box position
Voltage	L1	L2	L3	Connected together	Material of terminal box
					Cable entry
					-/-

Notes:


$I_{\text{N}}/I_{\text{N}}$ = locked rotor current / current nominal $M_{\text{N}}/M_{\text{N}}$ = locked rotor torque / torque nominal $M_{\text{B}}/M_{\text{N}}$ = break down torque / nominal torque	3) Value is valid only for DOL operation with motor design IC411 2) at rated power / at full load
--	--

Responsible department IN LVM	Technical reference	Created by SPC	Approved by	<i>Technical data are subject to change! There may be discrepancies</i>
----------------------------------	---------------------	-------------------	-------------	---

	Document type Datasheet	Document status Released		customer	
	Document title 1LE2321-4AB2-....	Document number			
© ABB 2024		Revision 01	Creation date 2024-04-28 10:53	Language en	Page 1/1

Main terminal diagram

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department IN LVM	Technical reference	Created by	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	Document type Wiring diagramm			Document status Released			
	Document title 1LE2321-4AB2.-....			Document number WDS-240428-105340			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-04-28	Language en	Page 1/1